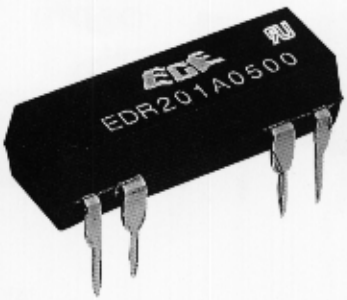
EDR 1A SERIES

UL Approval: E155181(R)

1.FEATURES:



1-1: Miniature, cost-effective switching solution
1-2: State-of-the art capsule designs.
1-3: Molded construction for compatibility with automatic board processing.
1-4: Epoxy-molded dual-in-line-package.
1-5: Completely washable.

2. SPECIFICATIONS

2-1 Coil Rating:

Nominal Voltage(v)	Max . Operate Voltage(v)	Pull-In Voltage(v)	Dropout Voltage(V)	*Coil Resistance(Ω)	Nominal input power (mW)
DC5	16	3.75	0.8	500±10%	50
DC12	20	9.00	1.0	1000±10%	144
DC24	32	18.00	2.0	2150±10%	268

*Special design are available on request

2-2 Contact Rating:

Switching Current	0.5 Adc Max.
Carry Current	1.0 Adc Max.
Switching Power	10 VA Max.
Electrical Life	100×10^{6} (Ref 10VDC,10mA)
Contact Resistance	150mΩ Max.
Contact Form	1 Form A
Operate Time	10ms Max. Including Bounce Time
Release Time	10ms Max. Including Bounce Time
Maximum Voltage	100VDC
Insulation Resistance	10^{10} Ohms min.

2-3: Dielectric strength:
1400 VDC Between Coil And Contact
250 VDC Between Contacts

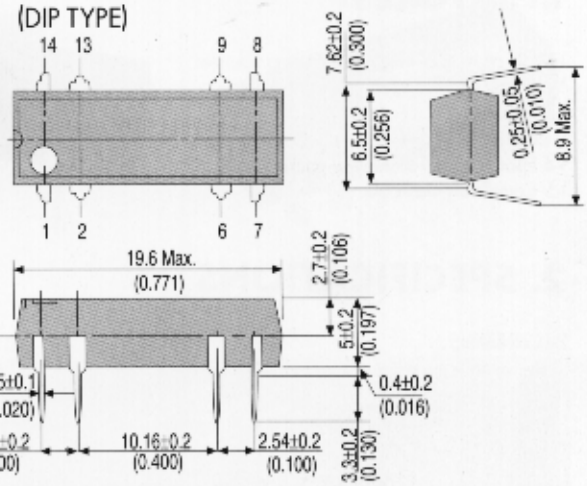
2-4 Temperature Range:
Operating Temp:–40°C to+85°C
Storage Temp:–55°C to+125°C

2-5 Shock Resistance:
30g min.

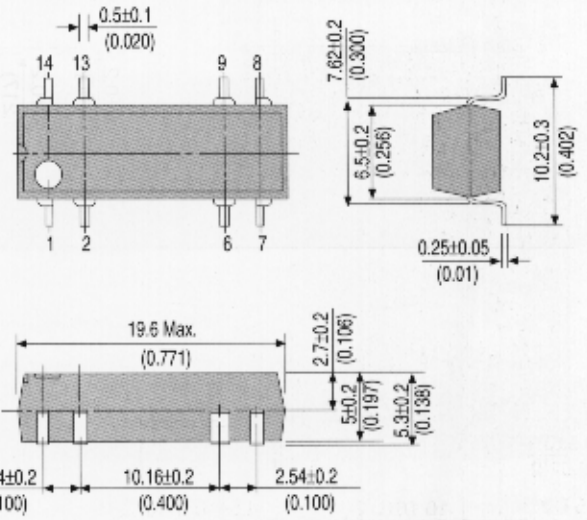
4. DIMENSIONS

Unit: mm(inch)

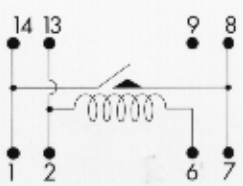
(DIP TYPE)



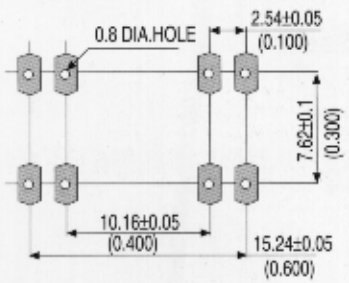
(SMD-SO TYPE)



Wiring Diagram
1FORM A



P.C.B Layout(Top View)
(DIP)



3. PART NUMBERING SYSTEM:

EDR 2 0 1A 05

- NOMINAL VOLTAGE 05 : 5 VDC, 12 : 12 VDC, 24 : 24 VDC
- CONTACT FORM 1A: OPEN TYPE 1 FORM A
- FUNCTION 0: NORMAL FUNCTION
- TYPE 2 : DIP TYPE, 3 : SMD TYPE
- MODEL NAME

(SMD-SO)